

LISTING OF AND AMENDMENTS TO CLAIMS:

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1. - 8. Canceled

9. (currently amended) A system for scanning images, the system comprising:

means for providing light;

means for measuring at a number of points on a transparent object, the intensity of light emitted from the means for providing light transmitted through the transparent object to form a first raw profile; and

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means for smoothing the first raw profile to form a calibration profile, said smoothing including extrapolation at an end of the profile.

10. (original) A system for scanning images as recited in claim 9, further comprising:

means for measuring the intensity of light from the light transmitted through an opaque object at the number of points to form a second raw profile; and

means for smoothing the second raw profile to form a black calibration profile.

11. (original) A system for scanning images as recited in claim 9, further comprising:

means for measuring the intensity of light from the light transmitted through a semi-transparent object at the number of points to form a semi-transparent object profile; and

means for correcting the semi-transparent object profile using the calibration profile.

12. (original) A system for scanning images as recited in claim 11, further comprising means for correcting the semitransparent object profile using the black calibration profile.

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13. - 31. Canceled

32. (currently amended) A method for scanning images, the method comprising:

providing a source of light;

measuring at a number of points on a transparent object, the intensity of light emitted from the source of light transmitted through the transparent object and forming a first raw profile; and

smoothing the first raw profile to form a calibration profile, said smoothing including extrapolation at an end of the profile.

33. (original) A method as recited in claim 32, further comprising:

measuring the intensity of light from the source of light transmitted through an opaque object at the number of points to form a second raw profile; and

smoothing the second raw profile to form a black calibration profile.

34. (original) A method as recited in claim 32, further comprising:

C, measuring the intensity of light from the source of light transmitted through a semitransparent object at the number of points to form a semi-transparent object profile; and

correcting the semi-transparent object profile using the calibration profile.

35. (original) A method as recited in claim 34, wherein the calibration profile is a white calibration profile, and further comprising means for correcting the semi-transparent object profile using the black calibration profile.

36. (currently amended) A computer program product comprising a computer usable medium having computer readable program code means embodied therein for causing images to be scanned, the computer readable program code means in said computer program product comprising computer readable program code means for causing a computer to effect, the method comprising:

providing a source of light;

measuring at a number of points on a transparent object, the intensity of light emitted from the source of light transmitted through the transparent object and forming a first raw profile; and

smoothing the first raw profile to form a calibration profile, said smoothing including extrapolation at an end of the profile.

C, 37. (currently amended) A computer program product comprising a computer usable medium having computer readable program code means embodied therein for causing images to be scanned, as recited in claim 36, wherein the calibration profile is a white calibration program profile, and the computer readable program code means in said computer program product comprises comprising computer readable program code means for causing a computer to further effect the method comprising:

measuring the intensity of light from the source of light transmitted through an opaque object at the number of points to form a second raw profile; and

smoothing the second raw profile to form a black calibration profile.

38. (original) A computer program product comprising a computer usable medium having computer readable program

code means embodied therein for causing images to be scanned, as recited in claim 36, the computer readable program code means in said computer program product comprising computer readable program code means for causing a computer to effect the method further comprising:

measuring the intensity of light from the source of light transmitted through a semitransparent object at the number of points to form a semi-transparent object profile; and

correcting the semi-transparent object profile using the calibration profile.

C, 39. (original) A computer program product comprising a computer usable medium having computer readable program code means embodied therein for causing images to be scanned, as recited in claim 38, the computer readable program code means in said computer program product comprising computer readable program code means for causing a computer to further effect the method comprising means for correcting the semi-transparent object profile using the black calibration profile.

40. (original) A system as recited in claim 33, wherein the calibration profile is a white calibration profile.

41. Canceled

42. (original) A system for scanning images as recited in claim 9, wherein the transparent object is air.

43. (original) A system as recited in claim 32, wherein the transparent object is comprised of glass.

44. (original) A computer program product as recited in claim 36, wherein the transparent object is air.

45. (currently amended) A computer program product as recited in claim 38, wherein the transparent object is comprised of a glass base.

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46. (currently amended) A computer program product as recited in claim 36, wherein the smoothing is further comprised of filtering, ~~extrapolation~~ and decimation.

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47. (original) A computer program product as recited in claim 46, wherein the filtering includes multirate filtering.

48. (new) A system for scanning images as recited in claim 9, wherein said extrapolation is also performed at another end of said profile.

49. (new) A method as recited in claim 32, wherein said extrapolation is also performed at another end of said profile.

50. (new) A computer program product as recited in claim 36, wherein said extrapolation is also performed at another end of said profile.